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Response to Office Action

REMARKS/ARGUMENTS

Pending Claims

Claims 1-10 are pending in the application. Of these claims, Claims 1, 6, and 10 are independent claims and the remaining claims are dependent claims. Upon entry of the present Amendment, Claims 1, 6, and 10 will have been amended.

By the present Amendment and Remarks, applicant submits that the rejections have been overcome, and respectfully requests reconsideration of the Office Action and allowance of the present application at the Examiner's earliest convenience.

Summary of the Official Office Action

Objections

The drawings were objected to as failing to comply with 37 CFR 1.84(p)(5) because they did not include the following reference sign(s) mentioned in the description: 206.

The disclosure was objected to because of the following formalities: paragraph 0034 refers to reference 206 in Fig 5.

Claim Rejections

Claims 1-10 were rejected under 35 U.S.C. 102(b) as being anticipated by Silverbrook et al. (US PGPUB 2002/0080396).

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Response to Objection of Drawings and Specification

Drawings/Specification

In response to the objection that the drawings did not include reference sign 206

mentioned in the description and the objection that the disclosure referred to reference

sign 206, per the above Amendments, the disclosure has been amended to refer to

reference sign 208 instead of reference sign 206, where reference sign 208 is included in

the previously submitted set of drawings.

In lieu of the above Amendments, Applicant respectfully requests the Examiner

withdraw the objections to the drawings and specification.

Traversal of Rejection under 35 U.S.C. 102(b)

Applicant respectfully traverses the rejection of Claims 1-10 under 35 U.S.C.

102(b) as being anticipated by Silverbrook et al. (US PGPUB 2002/0080396) [hereinafter

"Silverbrook"].

Turning to the specific claim language of the present application, independent

Claim 1 as amended is directed to a method for recording, on one recording medium, a

positional information image representing positional information corresponding to at

least positions on the recording medium and the other image, using a recording apparatus

that applies a recording material onto the recording medium, the method comprising the

step of obtaining information on recording of the positional information image according

to record data for recording the positional information image, the correction step of

correcting record data of said the other image so that a predetermined recording property

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of said the other image is varied, according to the obtained information and the recording

step of recording the positional information image and said the other image corrected, by

applying a visible recording material on the recording medium.

The present invention of independent Claim 1 describes controlling color changes

when a positional information image and the other image are recorded on a recording

medium. In particular, image data of the other image recorded in a particular region of

the recording medium is corrected according to the information related to the recording

position of the positional image. In addition, the present invention of independent Claim

1 also describes recording both the other image and the positional information image by

applying a visible recording material.

Applicant respectfully submits that Silverbrook fails to disclose at least the above-

noted features of the present invention.

Silverbrook is seen to describe a system for producing interface surfaces

("netpages") which allow users to interact with networked information and to obtain

interactive printed matter. More specifically, a "netpage" consists of a printed page (or

other surface region) invisibly tagged with references to an online description of the page.

The tags may be printed on or into the surface of the page, may be in or on a sub-layer of

the page or may be otherwise incorporated into the page. The online page description is

maintained persistently by a netpage page server. The page description describes the

visible layout and content of the page, including text, graphics and images. It also

describes the input elements on the page, including buttons, hyperlinks, and input fields.

A netpage allows markings made with a netpage pen on its surface to be simultaneously

captured and processed by the netpage system (paragraph 0148).

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Tags are printed in infrared-absorptive ink on any substrate which is infrared-reflective, such as ordinary paper (paragraph 0151). A tag is sensed by an area image sensor in the netpage pen, decoded and the data encoded by the tag is transmitted to the netpage system, preferably via the nearest netpage printer. Tags are sufficiently small and densely arranged that the pen can reliably image at least one tag even on a single click on the page. It is important that the pen recognize the tag and extract the page ID and position on every interaction with the page, since the interaction is stateless. Tags are error-correctably encoded to make them partially tolerant to surface damage (paragraph 0152).

In a preferred form, each tag identifies the region in which it appears, and the location of that tag within the region. A tag may also contain flags which relate to the region as a whole or to the tag. One or more flag bits may, for example, signal a tag sensing device to provide feedback indicative of a function associated with the immediate area of the tag, without the sensing device having to refer to a description of the region. A netpage pen may, for example, illuminate an "active area" LED when in the zone of a hyperlink (paragraph 0155).

As the above referenced sections of Silverbrook illustrate, Silverbrook discloses the structure to detect a tag, printed on a recording medium with invisible ink, by a sensor on a pen. The position on the surface of the recording medium can be determined by reading the tag using the pen. The disclosed tag comprises at least 90 bits of region ID (paragraph 0158), which itself shows the position on the recording medium. In other words, encoded information showing the position on the recording medium is already included in the tag.

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Nothing in Silverbrook is seen to disclose or describe recording a positional information image. As indicated above, each of the tags of Silverbrook contains tag ID information, which can include the position of the tag (e.g., the region on the surface in which the tag appears and the location of the tag within the region). Recording a tag, where the tag contains information regarding the tag's position is not seen to describe recording a positional information image as described in the present invention. In addition, since the tags are printed with invisible ink, Silverbrook is not seen to disclose or describe recording positional information image by applying a visible recording material on a recording medium.

Furthermore, nothing in Silverbrook is seen to disclose or describe correcting the other image data so that a predetermined recording property of the other image is varied according to obtained information on recording of the positional information image.

Silverbrook is only seen to describe (paragraphs 0569 and 0571) the standard processing of a common print engine controller that a printer uses to prepare data for printing. Nothing in either of these paragraphs or in any other section of Silverbrook is seen to disclose correcting the other image data so that a predetermined recording property of the other image is varied according to obtained information on recording of the positional information image.

Because Silverbrook lacks at least the above-noted features of the present invention, Applicant submits that Silverbrook fails to disclose each and every feature recited in Claim 1, and that the Office Action fails to include adequate evidentiary basis to support a rejection of anticipation under 35 U.S.C. 102(b). Therefore, Applicant

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submits that the rejection of at least independent Claim 1 is improper and respectfully

requests that the rejection be withdrawn.

Amended independent Claim6 is directed to a recording system comprising a

recording apparatus for perform recording by applying a recording material onto a

recording medium according to image data, a transmitter for transmitting the image data

to the recording apparatus, preparation means for preparing image data corresponding to

an image to be recorded, acquisition means for obtaining information on recording of a

positional information image, according to record data for recording the positional

information image, the positional information image representing positional information

corresponding to positions on the recording medium; and correction means for correcting

record data for recording said the other image according to the information obtained by

the acquisition means, wherein the recording apparatus records the positional information

image and said the other image corrected by the correction means, by applying a visible

recording material on one recording medium.

Amended independent Claim 10 is directed to a recording apparatus for forming

an image on a recording medium comprising recording means for performing recording

by applying a visible recording material onto the recording medium, the recording means

recording at least one of a positional information image representing positional

information corresponding to the position where the positional information image is

recorded and the other image, a control means for controlling the recording such that the

recording means records the positional information image with a recording material

capable of being detected by a predetermined detector, and said the other image with

another recording material incapable of being detected by the detector, and correction

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means for correcting record data for recording said the other image, according to record data for recording the positional information image.

Amended independent Claims 6 and 10 were rejected for essentially the same reasons as independent Claim 1. As in the case of independent Claim 1, Silverbrook lacks at least the above-noted features of independent Claims 6 and 10, and as such, Applicant submits that Silverbrook fails to disclose each and every feature recited in Claims 6 and 10. Therefore, Applicant submits that the rejections of Claims 6 and 10 are improper and respectfully requests the rejections be withdrawn.

Furthermore, Applicant submits that Claims 2-5 and 7-9 are allowable at least for the reason that these claims depend from either allowable base Claim 1 or allowable base Claim 6 and recite additional features that further define the present invention.

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CONCLUSION

Applicant respectfully submits that each and every pending claim of the present

invention meets the requirements for patentability, and respectfully requests the

Examiner to indicate the allowance of such claims as the Examiner's earliest convenience.

In view of the foregoing, it is submitted that the reference of record does not

anticipate or render obvious the Applicant's invention as recited in Claims 1-10. The

applied reference has been discussed and distinguished, while significant claimed

features of the present invention have been pointed out. Further, any amendments to the

claims which may have been made in this response and which have not been specifically

noted to overcome a rejection based upon prior art, should be considered to have been

made for a purpose unrelated to patentability, and no estoppel should be deemed to attach

thereto.

Accordingly, reconsideration of the outstanding Office Action and allowance of

the present application and all the claims therein is respectfully requested and now

believed to be appropriate.

Applicants' undersigned attorney may be reached at (949) 932-3329. All

correspondences should be directed to the below-listed address.

Respectfully submitted,

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